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Amendments to the Claims

1-11 (Canceled)

12. (Currently Amended) An apparatus for detecting a residual drying time of a clothes dryer, comprising:

a moisture detector for detecting a quantity of moisture contained in clothes in clothes dryer;

a temperature detector for detecting an outlet temperature of a drum of the clothes dryer;

a controller for reading a residual drying time corresponded to a sum of the moisture quantity and a variation of the outlet temperature value of the drum from a storage storing a pre-calculated residual drying time on the basis of the moisture quantity and the outlet temperature value of the drum; and

a display for displaying the read residual drying time according to the control signal of the controller.

- 13. (Original) The apparatus of claim 12, wherein the storage includes a first look-up table showing an estimated drying time pre-calculated according to the moisture quantity and the outlet temperature value of the drum and a second look-up table showing an estimated cooling time pre-calculated according to the moisture quantity and the outlet temperature value of the drum.
- 14. (Original) The apparatus of claim 12, wherein the controller reduces the read residual drying time with the passage of time and displays the reduced time.

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15. (Currently Amended) A method for detecting a residual drying time of a clothes dryer, comprising:

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reducing a preset early clothes drying time in early operation of a clothes dryer with the passage of time and displaying the reduced time on a display in real-time;

detecting a quantity of moisture contained in clothes in a drum of the clothes dryer and an outlet temperature of the drum;

reading a residual clothes drying time corresponded to a sum of the detected moisture quantity and a variation in temperature value from a memory storing a residual drying time pre-calculated on the basis of the moisture quantity and outlet temperature value of the drum; and

displaying the read residual drying time in real-time;

wherein the residual drying time includes an estimated drying time and an estimated cooling time.